

42-003-00032

Jim H.



United States Steel Corporation
Clairton Works
400 State Street
Clairton, PA 15025

November 28, 2016

Ms. Karen M. Sagel
Allegheny County Health Department
Department of Air Quality
301 Thirty-Ninth Street
Pittsburgh, PA 15201

DEC 12 2016

Subject: USS Reference Number: 16-0386
ACHD Reference Number: 20409
#2 & #5 Control Rooms
USS Clairton Works

Dear Karen M. Sagel:

The attached form confirms our verbal report of the subject incident and satisfies the requirements of paragraph IV.8 of the Title V operating permit #0052 as issued on March 27th 2012.

I certify that based on the information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete. Any questions concerning this matter should be referred to Jonelle S. Scheetz at 412-233-1015.

Sincerely,

A handwritten signature in dark ink, appearing to read "M. Rhoads".

Michael S. Rhoads
Plant Manager
Clairton Works

CC: James W. Hagedorn (USEPA)

ED_002508A_00000675-00001

NOTICE OF OUTAGE OF EQUIPMENT
ARTICLE XXI - SECTION 2108.1

1. USS Reference Number: 16-0386
ACHD Reference Number: 20409
2. Date & Time of Breakdown: Date: 11/23/16 Time: 1115 hours
3. Company Name: U.S. Steel Corporation - USS Clairton Works
4. Specific Equipment Involved or Affected: #2 & #5 Control Rooms
5. BAPC Permit Number (if applicable): 0052
6. Location: Clairton, PA
7. Nature and cause of breakdown: Repairs to Cooling Tower water return line that supplies the cooling water for the #2 Control Room necessitated the shut down of the #2 & #5 Control Rooms and coke oven gas was by-passed to the downriver system. The 40 grain H₂S limit was exceeded.
8. Identification of Emissions:
 - A. Type(s) (CO, NOX, SO₂, Particulates, Hydrocarbons, etc.)
Elevated H₂S in the downriver gas line systems, causing increased SO₂ and VOC at point of combustion.
 - B. Toxic qualities of each type (including its qualities as an irritant, and its potential for causing illness, disability, or mortality). SO₂ is and VOC could be an eye, nose, and throat irritant.
 - C. Amount of each type emitted (or likely to be emitted).
Light to Moderate
9. Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).
The problem was resolved and normal operations resumed.
10. Facility back in operation - Date: 11/27/16 Time: 1940 hours

Reviewed by 
Jonelle S. Scheetz
Environmental Control Engineer

Date 11/30/16
Phone: 412-233-1015

42-003-00032



United States Steel Corporation
Clairton Works
400 State Street
Clairton, PA 15025

Jim Hagedorn

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DEC 06 2016

Air Protection Division

November 23, 2016

Ms. Karen M. Sagel
Allegheny County Health Department
Department of Air Quality
301 Thirty-Ninth Street
Pittsburgh, PA 15201

Subject: USS Reference Number: 16-0385
ACHD Reference Number: 20408
600 Claus Plant
USS Clairton Works

Dear Karen M. Sagel:

The attached form confirms our verbal report of the subject incident and satisfies the requirements of paragraph IV.8 of the Title V operating permit #0052 as issued on March 27th 2012.

I certify that based on the information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete. Any questions concerning this matter should be referred to Jonelle S. Scheetz at 412-233-1015.

Sincerely,

A handwritten signature in dark ink, appearing to read "Michael S. Rhoads".

Michael S. Rhoads
Plant Manager
Clairton Works

CC: James W. Hagedorn (USEPA)

ED_002508A_00000675-00003

NOTICE OF OUTAGE OF EQUIPMENT
ARTICLE XXI - SECTION 2108.1

1. USS Reference Number: 16-0385
ACHD Reference Number: 20408
2. Date & Time of Breakdown: Date: 11/23/16 Time: 0830 hours
3. Company Name: U.S. Steel Corporation - USS Clairton Works
4. Specific Equipment Involved or Affected: 600 Claus Plant
5. BAPC Permit Number (if applicable): 0052
6. Location: Clairton, PA

Nature and cause of breakdown: The combustion air blower at the 600 Claus Plant tripped off line. As a result, the 40 grain H2S limit at the Sulfur Plant was exceeded.

8. Identification of Emissions:

- A. Type(s) (CO, NOX, SO₂, Particulates, Hydrocarbons, etc.)
Elevated H2S in the down river gas line system, causing increased SO2 at points of combustion.
- B. Toxic qualities of each type (including its qualities as an irritant, and its potential for causing illness, disability, or mortality). SO2 is an eye, nose, and throat irritant.
- C. Amount of each type emitted (or likely to be emitted).
Light.

9. Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).
The problem was resolved.

10. Facility back in operation - Date: 11/23/16 Time: 0915 hours

Reviewed by

Jenelle S. Scheetz
Environmental Control Engineer

Date

11/23/16

Phone: 412-233-1015